

Title (en)

LUBRICATING OIL COMPOSITION AND VISCOSITY MODIFIER FOR LUBRICATING OIL

Title (de)

SCHMIERÖLZUSAMMENSETZUNG UND VISKOSITÄTSMODIFIKATOR FÜR SCHMIERÖL

Title (fr)

COMPOSITION D'HUILE LUBRIFIANTE ET MODIFICATEUR DE VISCOSITÉ POUR HUILE LUBRIFIANTE

Publication

EP 3783087 A1 20210224 (EN)

Application

EP 19787977 A 20190416

Priority

- JP 2018079175 A 20180417
- JP 2018079176 A 20180417
- JP 2019016255 W 20190416

Abstract (en)

A lubricating oil composition includes an ethylene/α-olefin copolymer (A) having 70 to 90 mole % of structural units derived from ethylene and an intrinsic viscosity [η] of 0.3 to 1.0 dl/g.

IPC 8 full level

C10M 143/02 (2006.01); **C10N 20/00** (2006.01); **C10N 20/02** (2006.01); **C10N 30/02** (2006.01); **C10N 40/25** (2006.01)

CPC (source: EP US)

C08L 23/0815 (2013.01 - EP); **C08L 91/00** (2013.01 - EP); **C10M 107/04** (2013.01 - US); **C10M 143/02** (2013.01 - US); **C10M 143/08** (2013.01 - EP); **C10M 2203/1025** (2013.01 - EP); **C10M 2205/022** (2013.01 - EP US); **C10M 2205/0225** (2013.01 - US); **C10M 2209/084** (2013.01 - EP); **C10M 2223/045** (2013.01 - EP); **C10N 2010/02** (2013.01 - EP); **C10N 2010/04** (2013.01 - EP); **C10N 2020/011** (2020.05 - EP); **C10N 2020/02** (2013.01 - EP); **C10N 2030/02** (2013.01 - EP US); **C10N 2030/08** (2013.01 - EP); **C10N 2030/68** (2020.05 - EP); **C10N 2040/25** (2013.01 - EP); **C10N 2040/252** (2020.05 - US); **C10N 2040/255** (2020.05 - US); **C10N 2040/26** (2013.01 - US); **C10N 2070/00** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3783087 A1 20210224; **EP 3783087 A4 20211229**; **EP 3783087 B1 20221109**; CN 111801405 A 20201020; JP 7189941 B2 20221214; JP WO2019203210 A1 20210401; US 11655428 B2 20230523; US 2021130725 A1 20210506; WO 2019203210 A1 20191024

DOCDB simple family (application)

EP 19787977 A 20190416; CN 201980016497 A 20190416; JP 2019016255 W 20190416; JP 2020514385 A 20190416; US 201917044846 A 20190416